Necessity of Moving Building Material Quickly Is Realized and Hoist Type of Dump Bodies Fill the Need.

the contractors to use every known de-

get a home, or a room, are resorting to every known method that will brigg results. They are bribing rental agents and offering fabulous rents for any kind of a dwelling that affords shelter.

is becoming almost as pathetic as those the war torn countries. The seriousness of this problem can easily be vis-ualized when we see people living in-tents, houseboats, and practically every imaginable shanty that affords shelter from the sun and rain.

This condition requires the immediate

This condition requires the immediate erection of thousands of homes' and buildings. To do this, and effectively meet the on-rush if building progress, it is no longer safe for the contractors to rely upon the horse-drawn vehicle for their delivery of materials, for blaming the delays on old methods is not a very acceptable excuse when the men who let out these constracts know that a fleet of good motor trucks will fulfill this demand for quick deliveries day after day.

If more homes and buildings must be built each day, the excavating must be carried out faster—more brick—more ateel—more lumber and plaster must be delivered each day, otherwise this task will not be accomplished, but the contractor can overcome this situation by placing good, reliable motor trucks to work on his delivery equipment, instead of wasting time with the old methods. Some of the most successful building contractors in the country have been farsighted enough to see this condition. They have availed themselves of this motor trucks haul the steel, the motor trucks haul the steel, the brick, the tile, the cement, the lumber, and the plaster from which the homes, factories, office and buildings are fash-toned. Look at their delivery equipment and you will find that it ranges from a light truck for small fixtures to the ponderous dump body type for the glant load.

Having decided that the motor trucks HIGHWAY CONSTRUCTION

"The contractors are making a big demand for 3½ ton trucks equipped with the boist type dump bodies, as these are realizing that this type of body permits a much wider use in building construction work, because it is adapted to haul almost any kind of building materials."

### **MECHANICAL LOADERS** PROVE MONEY-SAVERS

The selling motor trucks, dealers should impress upon the buyer the advantages of rapid loading devices, while vice versa the truck buyer should take pains to investigate the possibilities of saving money and time by speeding up his trucks and employes through the saving money and employes through the saving money and time by speeding up his trucks and employes through the saving money and time by speeding up his trucks and employes through the with his ways know that the his have a saving money and time by speeding up his trucks and employes through the with his ways know that the his have a saving money and time by speeding up his trucks and employes through the dse of mechanical or electrical load-ing and unloading devices.

This is the advice of M. L. Pulcher, vice-president and general manager of the Federal Motor Truck company, De-troit.

the Federal Motor Truck company, Detroit.

"Every truck user must have shought, at one time or another, of the seconomies in time and money could be grought about by the use of mechanical or electrical loading and unloading appliances, which will either enable the driver of the truck to do all the loading with a minimum of effort and in the quickest time, or at least reduce the size of the shipping gang.

"Perhaps an owner has already figured out that, with more efficient methods or hauling devices at the loading or unloading stations, the truck could almost double up on the number of trips per day, depending of course, on the distance and how unwieldy the packages really were.

"There are appliances which will save the truck owner labor time and truck time, One device I have in mind is the link beit affair which uses a small motor and is of especial utility in coal yards. Pushed up against a coal pile and with a man shoveling coal toward it, it will feed its endless chain of coal containers into the pile and load the coal truck at a rapid rate—as low. I think, as ten minutes for an eight-yard truck.

"There are also devices which can

truck.

"There are also devices which can pick up huge wrought vipe and load 240 sons of this heavy material in a 10-rour day; overhead power hoists for interior loading; overhead monorali trolleys which handle commodities in large lots and deposit the loads directly on trucks; simple endless belt conveyors; spiral loading conveyors; and many others. One of the simplest arrangements for rapid loading at crowded loading platforms is the saw-trouded construction, enabling the driver to back up more trucks at a time in a better position than by the straight design."

### NEBRASKA FIXES NEW MOTOR TRUCK RATES

An interesting experiment which may disclose significant facts in the peration of motor transportation lines braska by the Nebraska State Rallway

them, the commision has placed truck operation on a road basis making classifications for various types of goods car-ried almost identical with the classi-fications maintained by the Western

Bodies Fill the Need.

Homeless Americans—thousands of them in nearly every part of this country—a real walking the streets, eagerly watching for a vacant house of even a few rooms in which they may live.

As a result of this condition we are witnessing one of the most staggering building programs in the history of this country—a program that is country—

One of the first difficulties which the commission had in its plans for classifying transportation of this character was in ascertaining the cost of truck service over dirt highways with that degree of definiteness obtainable in railroad transportation.

Initial classifications were arrived at by taking the operating costs of truck drivers and working from them to a rate which would give a reasonable profit.

The experiment was particularly interesting in view of the fact that it now seems probable the national highway system will be constructed which will afford a uniform road had for interesting to the fact that it is interesting to note that the Douglas County Highway Transportation committee of Nebraska instigated the action by the state commission.

Initial operating counts estimated on

sion.

Initial operating costs estimated on a basis of one truck for the road of 4,000 pounds driven 50 miles per day

were an follows:	
Consenting	Cents per Ton-Mile
Operating— Gas and oil	TOTAL PRETO
Chauffeur's wages	7.2
Maintenance-	100
Running repairs	2.5
Depreciation	1.87
Salaries, rent, etc	3.00
Insurance	0.5
Loss and damage	0.8
Taxes	0.027
Heturn on investment	2.5
NO. 2747	
Total	25.057
The rate for gas is fixed at	

rather than simply as a highway engineer since two of the most vital problems which confront us are those of location with regard to economic usage and study of the character and quantity and volume of traffice which will be generated by the improvement of the highways.

In order to provide men of this character, it would be necessary for most of our universities to round out their courses very considerably. Further to assure them of sufficient interest on the part of their students to make such courses worth while, one of the steps which we should take is to raise highway engineering to the dignity which should belong to it by making the salaries commensurate with the effort which the man will have to make to obtain it.

"The more quickly we come to a point of paying large enough salaries to attend

Total of World's Supply of Farm Produce Sold Is Lessened Because of Impassable Roads.

\$574,000,000 to be used in the next three years, provided the states raise dollar for dollar. And the states are certain-by doing their part

### Highways Benefited.

### ENLARGED PAIGE PLANT TO DOUBLE ITS OUTPUT

meet the ever-growing demand for Palge cars.

The enlarged plant, which will shortly be ready, will give us more than 15 acres of floor space. "Says Fresident Harry M. Jewett, "We are installing every labor-saving device known to modern shop practice and with this new equipment and the added floor space we will have a plant that can take its place among the giants of the industry. "We figure that these new facilities will enable us to double our production. We need this greatly increased output,"

in spits of constant additions to the tary and increased production sched, each year has found the demand Paige cars greater than we could For Better Highways

of public favor?

Highways Benefited.

"So far at least \$255,000,000 has been accounted for, and that sum is available for improvements in 1919. During the month of April alone the secretary of agriculture approved 120 distinct good roads projects, 55 of which were executed. This brought the total number of such undertakings in the United States to 1,057.

"I have referred to the larger aspects of the question, but the most encouraging sign of all is the springing un everywhere of smaller enterprises—a few mites here, a few mite

### ROAD BUILDERS URGE

MOTOR TRUCK LAWS

Motor truck owners and users will be interested in the resolution as adopted at the recent conference in New York of the American Road Builders' association, favoring the following resolutions for motor trucks on highways:

The gross weight of vehicles and load shall not exceed 28,000 pounds on four Wheels.

The total height shall not exceed 12

fet 2 inches.
The total width shall not exceed ? feet. The total length shall not exceed 28

PAIGE Che Most Serviceable Cruck in America

# Motor Trucks

"Ship by Truck"

If your goods are perishable goods-Ship by

If you want to save handlings of your goods- Ship

If you want quick delivery, sure delivery, economical delivery-Ship by Truck.

If you want to keep your goods in good condition if you want to keep the good will of your custom ers and your trade—Ship by Truck. The Motor Truck was one of the most efficient

The Farmer, the Dairyman, the Live Stock Raiser, the Hig Manufacturer, the Successful Merchant-all are Shipping by Truck.

To solve the problems of our greatest era of prosperity America is depending upon the Motor Truck

# Paige Trucks

those institutions that have developed and expanded the Transportation Facilities of the nation.

Every Paige Truck has a motor more powerful, a frame stronger, a construction sturdler, a serviceability more reliable than any other truck of the same capacity and approximate price.

Paige Trucks Are Built for Durability.

That is why Paige Trucks are bought as Preferred Business Investments.

# Paige Company of Memphis

263-265 Madison Avenue

Memphis, Tenn.



## **Indiana Dependability**

Business men cannot afford to experiment. Trucks of dependable performance can only be considered in these times of economic administration and conservation of man power. We can tell you by facts and figures what your hauling costs should be.

## Indiana Sturdiness

The built-in stamina of the Indiana insures you real dependability. The first Indiana truck, built nearly 8 years ago, is still operated by its original purchaser. The reason why Indiana trucks are supreme for every truck purpose is that 112% reserve strength is built in every partthe rear axle has been frequently tested to 100,000



Mr. Rinard, at the head of our repair service, served several years in the factory of the Allen company, and represented them as traveling me-chanic until opening the Allen Service Shop.

### EXCLUSIVE TO ALLEN OWNERS

The permanent quality standard of our service on Allen automobiles must certainly satisfy our patrons. Our special service is a combination of workmanship and the concentration of our experience on this one make of automobile, combined with the facilities to give you quick, superior service at minimum cost. Consult us.

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